

JOB COMPLETION REPORT
SURVEYS AND INVESTIGATIONS PROJECTS

As Required By
FEDERAL AID IN WILDLIFE RESTORATION ACT

ILLINOIS

Federal Aid Project W-49-R(27)

Study XV: Wildlife Harvests

Job No. 5: Non-resident hunter survey, 1979-80

By

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JOB COMPLETION REPORT

SURVEYS AND INVESTIGATIONS PROJECTS

STATE OF ILLINOIS

PROJECT NO.: W-49-R-27

STUDY XV

JOB NO. 5

STUDY XV: Wildlife Harvests

JOB NO. 5: Non-resident hunter survey, 1979-80

ABSTRACT: A stratified random sample of 950 persons who purchased 1979 series non-resident hunting licenses in Illinois was surveyed following the small game season. The licensees were contacted by first class mail in 3 mailings. Questionnaires were deliverable to 881 (92.74%) recipients, but 13 had to be discarded because they were sent to fishing license holders. Overall, 714 useable replies were received (82.26% return).

An estimated 87.66% of the non-resident hunters purchased an Illinois non-resident hunting license during the previous year. Approximately one-fourth (23.66%) of the survey respondents indicated they hunted on public areas operated by the Illinois Department of Conservation in 1979-80. The states of Indiana, Missouri, and Kentucky accounted for over 68% of all non-resident hunting license sales.

The 1979-80 survey covered 10 species of small game. Findings are presented on a statewide basis and for each of the 10 wildlife management units in the state. These include percent of total non-resident licensees hunting each species, average season bag, and projected total estimated hunters and harvest for each type of game.

Statewide projections for numbers of non-resident hunters and their total harvests (in parentheses) are: rabbit 1,768 (7,620), squirrel 1,122 (9,099), quail 1,319 (8,877), pheasant 1,922 (3,652), dove 1,291 (16,267), duck 4,083 (33,031), goose 3,999 (6,478), raccoon 547 (4,261), fox 56 (56), and coyote 56 (140). The average non-resident hunter spent 6.96 days hunting in Illinois in 1979-80. Approximately 63% of all respondents hunted 5 days or less. Non-residents expended an estimated 69,275 man-days of hunting effort during the year.

JOB COMPLETION REPORT
SURVEYS AND INVESTIGATIONS PROJECTS

STATE OF ILLINOIS

PROJECT NO.: W-49-R-27

STUDY XV

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STUDY XV: Wildlife Harvests

Job No. 5: Non-resident hunter survey, 1979-80

OBJECTIVE: To collect information on the annual non-resident hunter harvest of upland game species, waterfowl, and furbearers in Illinois and associated non-resident hunter characteristics.

PROCEDURES: A random mail survey of persons who purchased non-resident hunting licenses was the basic technique employed. The names and addresses of individuals purchasing 1979 series non-resident hunting licenses were obtained from license application stubs filed with the License and Permit Section, Illinois Department of Conservation, by license vendors (total sales estimate 10,018 - 1 July 1980). Immediately following the close of the upland game hunting season, a stratified random sample of non-resident licensees was drawn. Based on previous license sales records, total sample size was set at 950 (approximately 9.0% of the average number of non-resident hunting licenses sold annually). Sample distribution was 71% season license holders (675) and 29% 5-day licensees (275). Address cards for all individuals in the sample were prepared and manually marked with serial numbers to provide for removal of respondents and undeliverables from the initial and first follow-up mailings.

An initial and 2 follow-up mailings to non-respondents were made with a different letter of transmittal for each mailing (Figs. 1, 2, 3). Questionnaire cards were numbered to correspond with appropriate address cards and included with each transmittal letter (Fig. 4). First class postage (15.0¢) was used for all mailings.

Questionnaires were returned via business reply permit printed on the back of the form. Those received were checked for useability, and the state of residence and county hunted in most were coded. Reply data were transferred directly to computer tape at the Coordinated Sciences Laboratory, University of Illinois, Urbana, using remote terminals and stored for subsequent analysis. Mr. David Spoor, a consultant employed by the Coordinated Sciences Laboratory, prepared the data entry and analysis programs and obtained output.

Reply data for each species surveyed were compiled using the 10 wildlife management units in Illinois (Fig. 5). In addition, 95% confidence intervals were calculated for the number of hunters, average season bag, and total harvest on a statewide basis. The formulas used were described by Cochran (1953) or Snedecor and Cochran (1967). These are as follows:

a. Number of hunters for species: where N = total license sales

n = number of licensees in sample

$$\pm 2N\sqrt{\frac{pq}{n}}$$

p = portion of licensees in sample who hunted species in question

q = 1-p

b. Average season bag per active hunter for species in question: where n_1 = number of licensees in sample who hunted species in question

$$\pm \frac{1.96\sqrt{\frac{\sum (x_i - \bar{x})^2}{n_1 - 1}}}{\sqrt{n_1}}$$

x_i = reported season bag for species in question

c. Total harvest:

where x = reported season bag for all licensees responding to survey

$$\pm 2N\left(\frac{\sqrt{\frac{\sum (x - \bar{x})^2}{n - 1}}}{\sqrt{n}}\right)$$

All calculations assumed there was no difference between the activities of the licensees who returned the questionnaire and those who did not.

FINDINGS AND ANALYSIS:

1979-80 Hunting Seasons

The 1979-80 Illinois hunting seasons and bag limits were similar to those for previous years (Table 1). Seasons ranged in length from 37 days for raccoons to 365 days for coyotes. Season dates varied by zone for squirrels, waterfowl, and raccoons. Some form of bag limit existed for all species except furbearers. Regulations for resident and non-resident hunters were identical.

1979-80 Non-resident Hunter Mail Survey

The initial mailing of 950 questionnaires was made on 17 January 1980. The 2 follow-up mailings to non-respondents were made on 14 February (623) and 14 March (307) and closed out on 15 April 1980. Approximately 2 days preparation was required for each mailing.

A total of 881 (92.74%) licensees in the 1979-80 survey sample was reached by the Postal Service via first class mail. The remaining 69 questionnaires were returned as undeliverable. An additional 13 questionnaires had to be discarded because they were sent to non-resident fishing license holders by

mistake. Overall, there were 714 useable replies received from the 868 licensees contacted, representing an 82.26% response on the number delivered. Of these respondents, 672 (94.12%) reported that they hunted small game in Illinois for 1 or more days during the 1979-80 seasons. In a typical year, about 82-87% of the resident hunting license holders in Illinois actually hunt small game (Hubert 1977, Ellis 1979).

Based on the response to the first question on the survey card, an estimated 87.66% of the non-resident hunters purchased an Illinois non-resident hunting license during 1978-79 (n = 713). The majority of non-resident hunters apparently hunt in Illinois every year. This situation may reflect consistency in non-resident hunting opportunity or a satisfying experience for most non-residents.

Approximately one-fourth (23.66%) of the survey respondents indicated they hunted on public areas operated by the Illinois Department of Conservation in 1979-80 (n = 672). Perhaps a large portion of the non-residents find public areas attractive because no advance permission is needed to hunt them or in certain cases permits which guarantee a hunting date may be secured. Public areas absorb much of the non-resident hunting pressure, especially for waterfowl.

Individuals from at least 31 states purchased Illinois non-resident hunting licenses in 1979-80 (Table 2). The states most frequently represented were Indiana, Missouri, and Kentucky. Together, these states accounted for over 68% of all non-resident hunting license sales. In excess of 78% of the non-resident hunters live in adjacent states. Obviously, Illinois has few unique hunting opportunities which attract hunters from long distances.

The average non-resident licensee spent 6.96 days hunting in Illinois in 1979-80 (Fig. 6). About 63% of all respondents hunted 5 days or less. Non-residents expended an estimated 69,725 man-days of hunting effort during the year. In comparison, resident hunters spend over 1,000,000 days afield annually in pursuit of pheasants and about 675,000 days in pursuit of ducks (Ellis 1979). Therefore, non-resident hunting pressure is of little consequence on a statewide basis.

The 3 wildlife management units where non-residents hunted most frequently were the Southern Plain, Grand Prairie, and Shawnee Hills (Table 3, Fig. 5). The Mississippi Border-South unit also attracted a large number of hunters. The areas visited by non-resident hunters are no doubt influenced by the distribution and abundance of the game species being pursued as well as the distribution of opportunity.

A statewide summary for the 10 species of small game hunting surveyed in 1979-80 is presented in Table 4. The data for each species include the estimated number of hunters and their percent of all non-resident licensees, average season bag, and estimated total harvest. Additional information concerning hunter distribution and hunter harvest for each of the 10 species is given in Tables 5 through 8 for each of the 10 wildlife management units. The original sample sizes from which these data were derived are presented in Table 9 which also provides the number and percent of successful hunters (season bag of 1 or more).

Statewide confidence intervals at the 95% level for the number of non-resident hunters, average season bag, and total harvest for each species are presented in Table 10. In general, those species with the greater number of hunters in the sample have narrower upper and lower limits of variability resulting in greater confidence in the projections. Admittedly, these figures may contain many biases, but the estimates are still considered adequate for determining trends in non-resident harvest and effort on a statewide basis. As stated earlier, the number of non-resident hunters and their total harvest are relatively insignificant when compared to resident hunters. However, the average season bag by non-residents for rabbit, quail, pheasant, and dove was slightly higher than that by residents (Ellis 1980).

RECOMMENDATIONS:

A mail survey of this type probably realizes its best use and reliability for wildlife management as an indicator of trends in non-resident hunting pressure, hunting success, harvest, and recreation. It is recommended that the survey be continued in essentially the same form except a slightly larger portion of non-resident licensees be sampled and additional information about use of public areas be obtained. The survey should be conducted once every 3 to 5 years.

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- Snedecor, G. W., and W. G. Cochran. 1967. Statistical methods, 6th ed. Iowa State Univ. Press, Ames. 593 pp.

DATA AND REPORTS:

Original data and reports in this investigation are on file in the Division of Wildlife Resources office, Illinois Department of Conservation, Springfield IL 62706.

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DATE: 8 September 1980

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Table 1. Hunting regulations for upland game, migratory waterfowl, and furbearers in Illinois, 1979-80.

Species	Zone	Season duration	Limit	
			Daily	Possession
Rabbit	Statewide	10 Nov. - 31 Dec.	4	8
Squirrel	Northern	1 Sep. - 15 Nov.	5	10
	Southern	1 Aug. - 15 Nov.		
Bobwhite quail	Statewide	10 Nov. - 31 Dec.	6	12
Ring-necked pheasant	Statewide	10 Nov. - 31 Dec.	2	4
Mourning dove	Statewide	1 Sep. - 9 Nov.	12	24
Duck	Northern	17 Oct. - 5 Dec.	Point system	
	Southern	31 Oct. - 19 Dec.		
Goose	Northern	17 Oct. - 25 Dec.	Varied by species	
	Southern	31 Oct. - 31 Dec.		
Raccoon	Northern	10 Nov. - 19 Dec. ^a	None	None
	Southern	20 Nov. - 29 Dec. ^a		
Red & Gray fox	Statewide	30 Nov. - 31 Jan. ^a	None	None
Coyote	Statewide	Continuously open	None	None

^a Hunting closed during deer season on Nov. 16, 17, 18 and Dec. 7, 8, 9.

Table 2. State of residence of Illinois non-resident hunters, 1979-80 season (n = 714).

State of residence	Number of hunters	Percent of hunters
Alabama	4	0.56
Arkansas	12	1.68
Florida	13	1.82
Indiana	234	32.77
Iowa	62	8.69
Kansas	3	0.42
Kentucky	84	11.77
Michigan	27	3.78
Minnesota	3	0.42
Mississippi	3	0.42
Missouri	169	23.67
Nebraska	4	0.56
North Carolina	5	0.70
Ohio	14	1.96
Tennessee	36	5.04
Texas	11	1.54
Wisconsin	10	1.40
All Others	20	2.80

Table 3. Distribution of non-resident hunters in Illinois, 1979-80 season, by wildlife management unit (n = 714).

Wildlife management unit	Number of hunters	Percent of hunters
Northwest Hills	24	3.36
Northeast Moraine	10	1.40
Mississippi Border-North	39	5.46
Mississippi Border-South	88	12.32
Western Prairie/Forest	21	2.94
Central Sand Prairie	13	1.82
Grand Prairie	129	18.07
Southern Plain	163	22.84
Wabash Border	55	7.70
Shawnee Hills	105	14.71
Unknown	67	9.38

Table 4. Summary of statewide data from post-season mail survey of Illinois non-resident hunters, 1979-80 season (n = 714).

Species	Estimated number of hunters	Percent of total licensees	Average season bag	Estimated total harvest
Rabbit	1,768	17.65	4.31	7,620
Squirrel	1,122	11.20	8.11	9,099
Quail	1,319	13.17	6.73	8,877
Pheasant	1,922	19.19	1.90	3,652
Dove	1,291	12.89	12.60	16,267
Duck	4,083	40.76	8.09	33,031
Goose	3,999	39.92	1.62	6,478
Raccoon	547	5.46	7.79	4,261
Fox	56	0.56	1.00	56
Coyote	56	0.56	2.50	140

Table 5. Distribution of non-resident hunters pursuing upland game in Illinois, 1979-80 season, by wildlife management unit (n = 714).

Wildlife management unit	Estimated number of non-resident hunters				
	Rabbit	Squirrel	Quail	Pheasant	Dove
Northwest Hills	70 (3.97) ^a	42 (3.75)	14 (1.06)	56 (2.92)	14 (1.09)
Northeast Moraine	28 (1.58)	-	14 (1.06)	98 (5.11)	28 (2.17)
Mississippi Border-North	-	42 (3.75)	28 (2.13)	14 (0.73)	112 (8.70)
Mississippi Border-South	351(19.84)	365(32.50)	210(15.96)	70 (3.65)	267(20.65)
Western Prairie/Forest	28 (1.58)	28 (2.50)	42 (3.19)	56 (2.92)	42 (3.26)
Central Sand Prairie	-	-	-	14 (0.73)	-
Grand Prairie	421(23.81)	112(10.00)	281(21.28)	1,095(56.93)	126 (9.78)
Southern Plain	351(19.84)	253(22.50)	351(26.60)	323(16.79)	239(18.48)
Wabash Border	309(17.47)	182(16.25)	98 (7.45)	28 (1.46)	225(17.39)
Shawnee Hills	140 (7.94)	56 (5.00)	239(18.08)	70 (3.65)	196(15.22)
Unknown	70 (3.97)	42 (3.75)	42 (3.19)	98 (5.11)	42 (3.26)
Statewide	1,768(100.00)	1,122(100.00)	1,319(100.00)	1,922(100.00)	1,291(100.00)

^a Numbers in parentheses are percentages of statewide total.

Table 6. Distribution of non-resident hunters pursuing waterfowl and furbearers in Illinois, 1979-80 season, by wildlife management unit (n = 714).

Wildlife management unit	Estimated number of non-resident hunters				
	Duck	Goose	Raccoon	Fox	Coyote
Northwest Hills	224 (5.50) ^a	182 (4.56)	56(10.26)	28(50.00)	14(25.00)
Northeast Moraine	56 (1.38)	14 (0.35)	-	-	-
Mississippi Border-North	421(10.31)	295 (7.37)	98(17.95)	14(25.00)	-
Mississippi Border-South	856(20.96)	435(10.88)	56(10.26)	-	-
Western Prairie/Forest	211 (5.16)	14 (0.35)	-	-	-
Central Sand Prairie	168 (4.12)	42 (1.05)	-	-	-
Grand Prairie	519(12.71)	140 (3.51)	169(30.77)	-	14(25.00)
Southern Plain	660(16.15)	1,473(36.84)	-	-	-
Wabash Border	211 (5.16)	211 (5.26)	140(25.64)	14(25.00)	28(50.00)
Shawnee Hills	631(15.46)	1,151(28.78)	-	-	-
Unknown	126 (3.09)	42 (1.05)	28 (5.12)	-	-
Statewide	4,083(100.00)	3,999(100.00)	547(100.00)	56(100.00)	56(100.00)

^a Numbers in parentheses are percentages of statewide total.

Table 7. Distribution of non-resident hunter harvest of upland game in Illinois, 1979-80 season, by wildlife management unit (n = 714).

Table 7. Distribution of non-resident hunter harvest of upland game in Illinois, 1979-80 season, by wildlife management unit (n = 714).

Wildlife management unit	Estimated harvest by non-resident hunters				
	Rabbit	Squirrel	Quail	Pheasant	Dove
Northwest Hills	28 (0.37) ^a	154 (1.70)	-	84 (2.31)	491 (3.02)
Northeast Moraine	84 (1.10)	-	-	197 (5.38)	14 (0.09)
Mississippi Border-North	-	112 (.123)	365 (4.11)	84 (2.31)	1,347 (8.28)
Mississippi Border-South	968(12.71)	2,397(26.35)	659 (7.43)	56 (1.54)	2,625(16.13)
Western Prairie/Forest	267 (3.50)	42 (0.46)	42 (0.47)	56 (1.54)	154 (0.95)
Central Sand Prairie	-	-	-	28 (0.77)	-
Grand Prairie	1,123(14.73)	379 (4.16)	813 (9.16)	2,641(72.31)	1,404 (8.63)
Southern Plain	2,231(29.28)	1,963(21.57)	1,417(15.96)	141 (3.84)	4,828(29.68)
Wabash Border	2,330(30.57)	2,930(32.20)	2,328(26.22)	28 (0.77)	2,695(16.57)
Shawnee Hills	463 (6.08)	533 (5.86)	3,127(35.23)	126 (3.46)	2,470(15.18)
Unknown	126 (1.66)	589 (6.47)	126 (1.42)	211 (5.77)	239 (1.47)
Statewide	7,620(100.00)	9,099(100.00)	8,877(100.00)	3,652(100.00)	16,267(100.00)

^a Numbers in parentheses are percentages of statewide total.

Table 8. Distribution of non-resident hunter harvest of waterfowl and furbearers in Illinois, 1979-80 season, by wildlife management unit (n = 714).

Wildlife management unit	Estimated harvest by non-resident hunters				
	Duck	Goose	Raccoon	Fox	Coyote
Northwest Hills	4,869(14.74) ^a	295 (4.55)	659(15.46)	-	-
Northeast Moraine	168 (0.51)	-	-	-	-
Mississippi Border-North	6,160(18.65)	154 (2.39)	589(13.82)	14(25.00)	-
Mississippi Border-South	9,331(28.25)	689(10.63)	406 (9.54)	-	-
Western Prairie/Forest	1,095 (3.31)	-	-	-	-
Central Sand Prairie	1,824 (5.52)	-	-	-	-
Grand Prairie	2,666 (8.07)	84 (1.30)	1,135(26.64)	-	14(10.00)
Southern Plain	2,175 (6.59)	2,431(37.53)	-	-	-
Wabash Border	2,343 (7.10)	492 (7.59)	1,388(32.57)	42(75.00)	126(90.00)
Shawnee Hills	1,712 (5.18)	2,333(36.01)	-	-	-
Unknown	688 (2.08)	-	84 (1.97)	-	-
Statewide	33,031(100.00)	6,478(100.00)	4,261(100.00)	56(100.00)	140(100.00)

^a Numbers in parentheses are percentages of statewide total.

Table 9. Statewide sample sizes for 1979-80 post-season mail survey of Illinois non-resident hunters (n = 714).

Species	Total hunters	Successful hunters	Percent successful hunters	Total season bag
Rabbit	126	87	69.0	543
Squirrel	80	67	83.8	649
Quail	94	55	58.5	633
Pheasant	137	-	-	260
Dove	92	-	-	1,159
Duck	291	-	-	2,354
Goose	285	150	52.6	461
Raccoon	39	32	82.1	304
Fox	4	2	50.0	4
Coyote	4	3	75.0	10

Table 10. Estimated number of non-resident hunters, average season bag, and total harvest by species in Illinois, 1979-80 season (n = 714).

Species	Estimated number of hunters	Estimated average season bag	Estimated total harvest
Rabbit	1,768 \pm 286 ^a	4.31 \pm 1.19 ^a	7,260 \pm 2,467 ^a
Squirrel	1,122 \pm 236	8.11 \pm 2.12	9,099 \pm 3,089
Quail	1,319 \pm 254	6.73 \pm 2.70	8,877 \pm 4,004
Pheasant	1,922 \pm 295	1.90 \pm 0.53	3,652 \pm 1,186
Dove	1,291 \pm 251	12.60 \pm 2.50	16,267 \pm 4,552
Duck	4,083 \pm 368	8.09 \pm 1.39	33,031 \pm 6,515
Goose	3,999 \pm 367	1.62 \pm 0.29	6,478 \pm 1,337
Raccoon	547 \pm 170	7.79 \pm 2.96	4,261 \pm 2,105
Fox	56 \pm 56	1.00 \pm 1.39	56 \pm 89
Coyote	56 \pm 56	2.50 \pm 3.05	140 \pm 206

^a 95% confidence interval.



-15-
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605 STATE OFFICE BUILDING • 400 SOUTH SPRING STREET • SPRINGFIELD 62706
CHICAGO OFFICE - ROOM 100, 160 NO. LASALLE 60601

1 - NR

1979-80

Dear Fellow Sportsman:

You are one of a select group of non-resident hunters asked to furnish information on your hunting activities in Illinois during the past 1979-80 season. The information supplied by you and other non-resident hunters is vital to the management of our wildlife resources: (1) to safeguard wildlife populations, (2) to grant maximum hunting opportunity to non-resident license holders, and (3) to maintain an attractive level of non-resident hunter success. These statistics include distribution of total harvests, number of hunters, and hunting success.

Your reply is very important, even if you did not hunt or were not successful in Illinois. Only a limited number of non-resident hunters can be contacted, therefore, your response is urgently needed.

Please take just a minute and fill out the parts of the questionnaire that apply to you. If you do not remember exact figures, give your best estimates. Drop the completed questionnaire in the mail; no postage is required. Thank you.

Yours for better hunting,

George Hubert, Jr.
Wildlife Biologist
Div. of Wildlife Resources

Encl.

Figure 1. Letter of transmittal sent with initial mailing in 1979-80 post-season non-resident hunter mail survey.



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2-NR

Dear Fellow Sportsman:

Recently we mailed you a non-resident hunter Questionnaire Card and requested that you fill out and return the form. We have not received your form at this time -- perhaps because you have misplaced the questionnaire or haven't found time to complete it and return it to us.

We are enclosing another questionnaire which we hope you will complete and return as soon as possible. If you have already returned a questionnaire, please destroy this one. The information supplied by you and other hunters being sampled will be of great value to the Conservation Department in better directing the management of Illinois' wildlife resources.

Please fill out the form completely and return it even if you did not hunt, or were not successful. No postage is required in returning the completed questionnaire. Your prompt attention will be sincerely appreciated. Thank you.

Sincerely,

George Hubert, Jr.
Wildlife Biologist
Div. of Wildlife Resources

Encl.

Figure 2. Letter of transmittal sent with first follow-up mailing in 1979-80 post-season non-resident hunter mail survey.



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CHICAGO OFFICE — ROOM 100, 160 NO. LASALLE 60601

3 - NR

Dear Sportsman:

This is to remind you that we still would like to receive an answer to the questionnaire concerning your hunting activity in Illinois this past season. We don't like to keep bothering you, but this is very important information which only you can supply.

Another copy of the non-resident hunter questionnaire card is enclosed. We hope you will complete and return it as soon as possible. If you have already returned a questionnaire, simply destroy this one. We are making a final effort to obtain a complete response so that we may compile the information received from all cooperating non-resident hunters and prepare a report of our findings. Remember, your response is needed - even though you did not hunt or had an unsuccessful season in Illinois.

No postage is required to return the completed questionnaire card. Just fill it out and drop it in the mail. Please help us complete this survey by sending it in now! Thank you.

Sincerely,

George Hubert, Jr.
Wildlife Biologist
Div. of Wildlife Resources

Encl.

Figure 3. Letter of transmittal sent with second follow-up mailing in 1979-80 post-season non-resident hunter mail survey.

**ILLINOIS DEPARTMENT OF
CONSERVATION**

**Non-Resident Hunter Survey
1979-80 Season**

1. Did you purchase an Illinois Non-Resident hunting license last year (1978-79)? Yes ☐ No ☐
2. What state do you live in? _____
3. How many different days did you hunt in Illinois during the 1979-80 season? _____ Days
4. Did you hunt on any public hunting areas operated by the Ill. Dept. of Conservation during the 1979-80 season? Yes ☐ No ☐
5. In which Illinois county did you hunt most? (If you don't know the county name, list nearest town) _____

	Did you hunt this species in Illinois in 1979-80?		How many did you PERSONALLY shoot and retrieve?
	Yes	No	
Rabbit	_____	_____	_____
Squirrel	_____	_____	_____
Quail	_____	_____	_____
Pheasant	_____	_____	_____
Dove	_____	_____	_____
Ducks	_____	_____	_____
Geese	_____	_____	_____
Raccoon	_____	_____	_____
Fox	_____	_____	_____
Coyote	_____	_____	_____
Other (list)	_____	_____	_____

**THANK YOU FOR YOUR COOPERATION!!
NO POSTAGE REQUIRED**

INSTRUCTIONS

Please fill in the form on the left side of this card for the 1979-80 Illinois hunting season. If you did not hunt in Illinois, please complete the first three questions and return the card.

REPORT ONLY YOUR PERSONAL KILL. DO NOT report the kill of others with whom you may have hunted.

DO NOT report game killed or days hunted on private shooting areas or preserves where a fee is charged for game taken.

If you can't remember the exact figures, give your best estimate.

Fill in only the blanks that apply to you. Leave all other blanks unmarked.

Your comments are welcomed, but please send them in a separate letter to receive proper attention.

**TEAR OFF AND MAIL ANSWERS—
NO POSTAGE REQUIRED**



Figure 4. Questionnaire form for post-season mail survey of Illinois non-resident hunters, 1979-80 season.

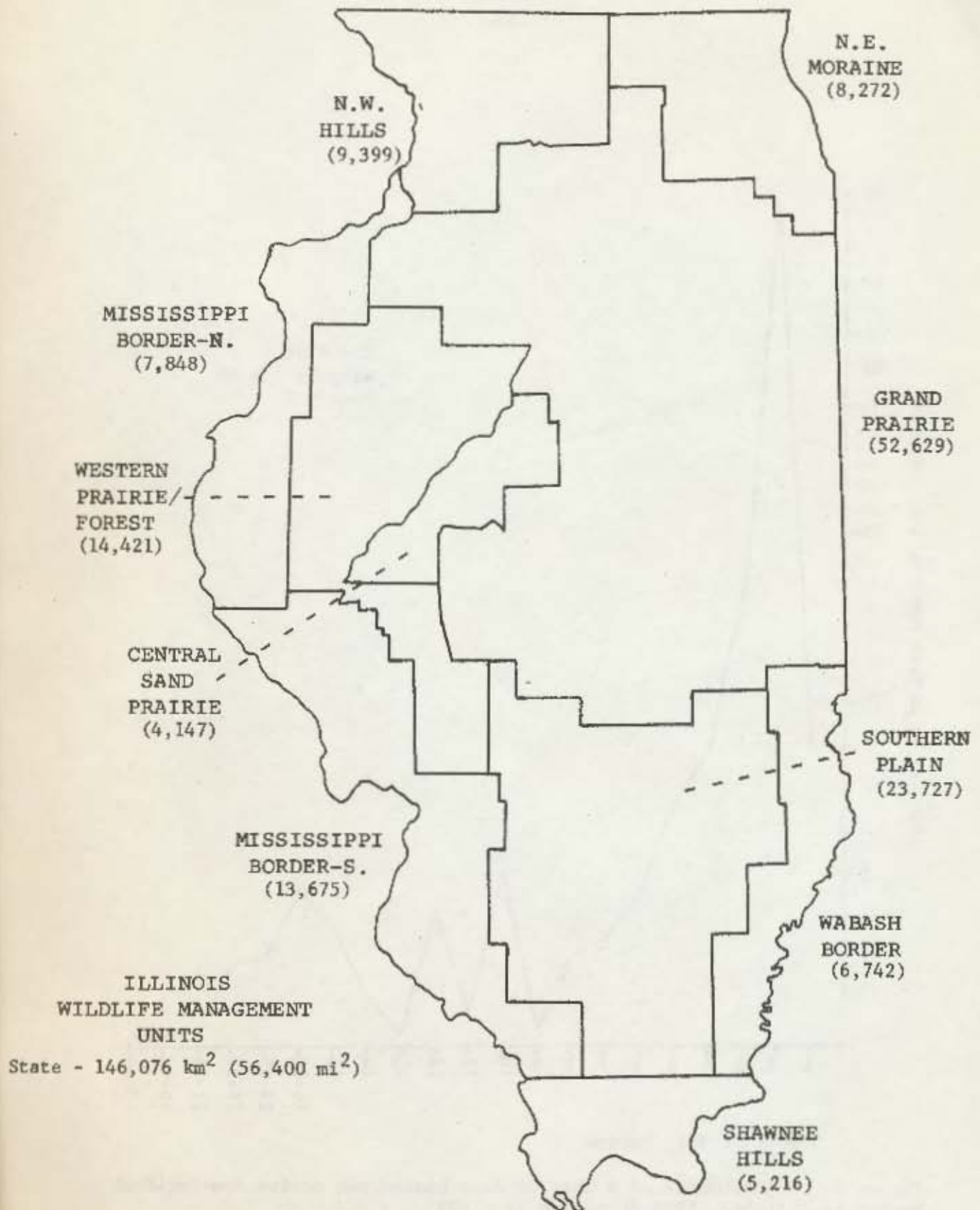


Figure 5. Area (km²) of wildlife management units in Illinois.

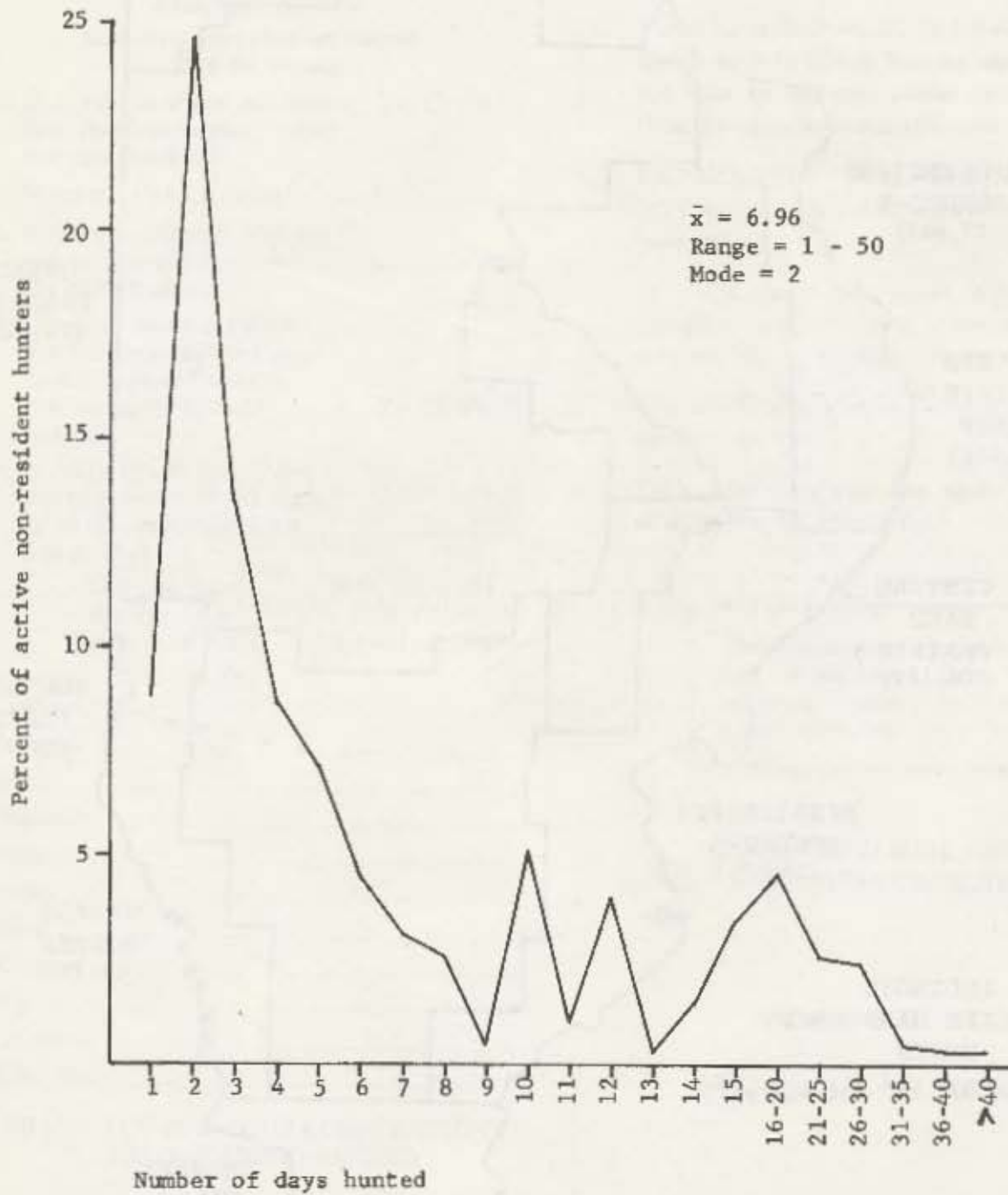


Figure 6. Distribution of number of days hunted per active non-resident hunter in Illinois, 1979-80 season (n = 672).